From the INTERNATIONAL SEARCHING AUTHORITY					
TC:	PCT				
Davies Collison Cave Level 15 1 Nicholson Street MELBOURNE VIC 3000	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION				
	(PCT Rule 44.1)				
	Date of mailing (day/month/year) 2 2 APR 2005				
Applicant's or agent's file reference 12572860	FOR FURTHER ACTION See paragraphs 1 and 4 below				
International application No.	International filing date				
PCT/AU2005/000238	(day/month/year 23 February 2005				
Applicant NATBIO PTY LTD et al					
The applicant is hereby notified that the international search have been established and are transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim	n report and the written opinion of the International Searching Authority and the international application (see Rule 46):				
-	nts is normally two months from the date of transmittal of the				
international search report. Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35					
For more detailed instructions, see the notes on the ac	companying sheet.				
The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.					
With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:					
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.					
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.					
4. Reminders					
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.					
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date. Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry					
into the national phase before those designated Offices.					
See the Annex to Form PCT/IB/301 and, for details about the app	s (or later) will apply even if no demand is filed within 19 months. olicable time limits, Office by Office, see the PCT Applicant's Guide,				
Volume II, National Chapters and the WIPO Internet site.					
Name and mailing address of the ISA/AU	Authorized officer				
AUSTRALIAN PATENT OFFICE					
PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au	ALISTAIR BESTOW				
Facsimile No. (02) 6285 3929	Telephone No. (02) 6283 2450				

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 12572860	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.						
International application No. PCT/AU2005/000238	International filing date (day/month/y 23 February 2005							
	23 redualy 2003	24 February 2004						
Applicant NATBIO PTY LTD et al								
TATIBLE ITT BID COL	NAIDIO FII LID et al							
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This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.								
This international search report consists of a t	otal of 5 sheets.							
X It is also accompanied by a copy	y of each prior art document cited in thi	s report.						
1. Basis of the report								
a. With regard to the language, the interior it was filed, unless otherwise indicated		pasis of the international application in the language in which						
The international search Authority (Rule 23.1(b)		slation of the international application furnished to this						
b. With regard to any nucleotide a	nd/or amino acid sequence disclosed	n the international application, see Box No. I.						
2. Certain claims were found uns	searchable (See Box No. II).							
3. Unity of invention is lacking (S	See Box No. III).							
4. With regard to the title,		·						
the text is approved as submitted	1 by the applicant.							
X the text has been established by	this Authority to read as follows:							
CYSTEINE PROTEASE FROM GINGER (<i>ZINGIBER</i>) AS A FOOD IMPROVER AND ANTI- INFLAMMATORY.								
5. With regard to the abstract,								
X the text is approved as submitted	1 by the applicant.							
	cording to Rule 38.2(b), by this Author ling of this international search report,	ity as it appears in Box No. IV. The applicant may, within submit comments to this Authority.						
6. With regard to the drawings,								
a. the figure of the drawings to be publi	shed with the abstract is Figure No.							
as suggested by the app	plicant.	•						
as selected by this Aut	hority, because the applicant failed to s	uggest a figure.						
as selected by this Aut	hority, because this figure better charac	terizes the invention.						
b. X none of the figures is to be publ	ished with the abstract.							

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2005/000238

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This interna	tional search report has not been established in respect of certain claims under Article 17(2)(a) for the following
	Claims Nos.:
	because they relate to subject matter not required to be searched by this Authority, namely:
	Claims Nos.: 33
	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
	The claimed formulation is unsupported by the description, is ill-defined in its scope, and does not embody the inventive features of the invention. It is not possible or reasonable to search the claim.
	Claims Nos.:
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
ox No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet) tional Searching Authority found multiple inventions in this international application, as follows:
ox No. III	tional Searching Authority found multiple inventions in this international application, as follows: As all required additional search fees were timely paid by the applicant, this international search report covers all
ox No. III his Interna	tional Searching Authority found multiple inventions in this international application, as follows: As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite
his Interna	tional Searching Authority found multiple inventions in this international application, as follows: As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
Box No. III This Interna 2 3	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report
Box No. III This Interna 2 3	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.: No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

International application No.

PCT/AU2005/000238

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: A23J 3/14, C12N 9/50

a) '

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

AUSTRALIAN PATENT OFFICE

Facsimile No. (02) 6285 3929

E-mail address: pct@ipaustralia.gov.au

PO BOX 200, WODEN ACT 2606, AUSTRALIA

Minimum documentation searched (classification system followed by classification symbols)

SEE ELECTRONIC DATABASES BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SEE ELECTRONIC DATABASES BELOW

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPIDS, CAPLUS, FSTA, AGRICOLA, MEDLINE, INTERNET. Keywords: zingiber, zingibain, ginger, extract, isolate, protease, food, inflammation.

	DOCUMENTS CONSIDERED TO BE REL	EVAN'		
Category*	Citation of document, with indication, where appropriate, of the relevant passages			
X	Garden of Life FYI TM http://www.nuvobody.com/pages/p 26 December 2003. (see in particulative.org/ used to est	lar Po		31,32,34-39
X	US 20030143292 A1 (CHO S. H.) (see paragraphs 9, 25 – 28, 56 – 58		y 2003	31,32,34-39
X	Fresh Ginger makes better meat tenhttp://www.realcities.com/mld/twin16 February 2004			1 – 30.
X	Swelling. http://www.mothernature.com/Library/bookshelf/Books/41/111.cfm 16 February 2004 http://www.archive.org/ used to establish the publication date of the document.			
X I	Further documents are listed in the co	ntinua	tion of Box C X See patent family	annex
"A" docume not con "E" earlier a	categories of cited documents: ent defining the general state of the art which is esidered to be of particular relevance application or patent but published on or after the tional filing date	"T"	later document published after the international filing date conflict with the application but cited to understand the prunderlying the invention document of particular relevance; the claimed invention or cannot be considered to involve an inventive step where alone	inciple or theory annot be considered nove
or whic another "O" docume	ent which may throw doubts on priority claim(s) th is cited to establish the publication date of citation or other special reason (as specified) ent referring to an oral disclosure, use, exhibition r means	"Y" "&"	document of particular relevance; the claimed invention continuous an inventive step when the document is combined such documents, such combination being obvious to a perdocument member of the same patent family	with one or more other
"P" docume	ent published prior to the international filing date or than the priority date claimed			
	tual completion of the international search		Date of mailing of the international search repo	2 2 APR 2005

ALISTAIR BESTOW

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2005/000238

	PC1/AU2005/	000236
C (Continuat	on). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	THOMPSON, E. H., et. al. (1973) Ginger Rhizome: A New Source of Proteolytic Enzyme. Journal of Food Science 38:652-5. (see particularly p. 652, col. 1 line 1 – 45, col. 3 line 28 – 47, p. 655, col. 1 line 19 – col. 2 line 13)	1-30,34.
X	LEE, Y. B. et. al. (1986) Tenderization of Meat with Ginger Rhizome Protease. Journal of Food Science. 51(6):1558-9.	1-30,34
X	Herb Facts www.herbnet.com/Herb+Uses FGH.htm (see Ginger) 21 November 2002. http://www.archive.org/ used to establish the publication date of the document.	31,32,34-39
X	Ginger http://www.innvista.com/health/herbs/ginger.htm (see Medicinal Parts) 4 August 2003 http://www.archive.org/ used to establish the publication date of the document.	31,32,34-39

Information on patent family members

PCT/AU2005/000238

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This Amex lists the known "A" publication level patent family members relating to the patent documents cited in the

above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member	
US	20030143292	NONE		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX